

Amendments to the Claims

The listing of claims will replace all prior versions, and listing, of claims in the application.

Claim 1 (original) A nucleic acid vector comprising a pair of bovine adeno-associated virus (BAAV) inverted terminal repeats and a promoter between the inverted terminal repeats.

Claim 2 (original) The vector of claim 1, wherein the promoter is an adeno-associated virus (AAV) promoter p5.

Claim 3 (original) The vector of claim 1, wherein the p5 promoter is BAAV p5 promoter.

Claim 4 (original) The vector of claim 1, further comprising an exogenous nucleic acid functionally linked to the promoter.

Claim 5 (original) A recombinant viral particle comprising the vector of claim 1, wherein the vector is encapsidated in parvovirus particle.

Claim 6 (original) The particle of claim 5, wherein the particle is a recombinant BAAV particle.

Claim 7 (original) The particle of claim 5, wherein the particle is an AAV1 particle, an AAV2 particle, an AAV3 particle, an AAV4 particle, an AAV5, an AAV6, an AAV7, an AAV8 or an avian adeno-associated virus (AAAV) particle.

Claim 8 (original) The particle of claim 5, wherein the particle is a dependent parvovirus (dependovirus) particle.

Claim 9 (original) The particle of claim 5, wherein the particle is an AAV particle.

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Claim 10 (original) A recombinant BAAV virion containing a vector comprising a pair of AAV1, AAV2, AAV3, AAV4, AAV5, AAV6, AAV7, AAV8, AAV9 or BAAV inverted terminal repeats.

Claim 11 (amended) The virion of claim 10 ~~claim 11~~, wherein the vector further comprises an exogenous nucleic acid inserted between the inverted terminal repeats.

Claim 12 (original) An isolated nucleic acid comprising the nucleotide sequence set forth in SEQ ID NO:1.

Claim 13 (original) An isolated nucleic acid consisting essentially of the nucleotide sequence set forth in SEQ ID NO:1.

Claim 14 (original) An isolated nucleic acid that selectively hybridizes with the nucleic acid of claim 13.

Claim 15 (original) An isolated nucleic acid encoding a BAAV Rep protein.

Claim 16 (original) The nucleic acid of claim 15, wherein the BAAV Rep protein has the nucleic acid sequence set forth in SEQ ID NO:2.

Claim 17 (original) The nucleic acid of claim 15, wherein the BAAV Rep protein has the amino acid sequence set forth in SEQ ID NO:3.

Claim 18 (original) The nucleic acid of claim 15, wherein the BAAV Rep protein has the amino acid sequence set forth in SEQ ID NO:5.

Claim 19 (original) The nucleic acid of claim 15, wherein the BAAV Rep protein has the nucleic acid sequence set forth in SEQ ID NO:4.

Claims 20-40 (cancelled)

Claim 41 (original) An isolated nucleic acid comprising a BAAV p5 promoter.

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Claim 42 (original) The nucleic acid of claim 41, wherein the p5 promoter has the nucleic acid sequence of SEQ ID NO:15.

Claim 43 (original) An isolated nucleic acid comprising a BAAV p19 promoter.

Claim 44 (amended) The nucleic acid of ~~claim 41~~ claim 43, wherein the p19 promoter has the nucleic acid sequence of SEQ ID NO:16.

Claim 45 (original) An isolated nucleic acid comprising a BAAV p40 promoter.

Claim 46 (amended) The nucleic acid of ~~claim 41~~ claim 45, wherein the p40 promoter has the nucleic acid sequence of SEQ ID NO:17.

Claim 47-63 (canceled)

Claim 64 (original) An isolated nucleic acid comprising the nucleotide sequence set forth in SEQ ID NO:12.

Claim 65 (original) An isolated nucleic acid consisting essentially of the nucleotide sequence set forth in SEQ ID NO: 12.

Claim 66 (original) A vector system for producing infectious virus particles having a characteristic of BAAV comprising: at least one vector comprising a nucleic acid selected from the group consisting of a pair of BAAV inverted terminal repeats, a nucleic acid encoding a BAAV capsid protein, and a nucleic acid encoding a BAAV Rep protein.

Claim 67 (original) The vector system of claim 66, comprising two vectors.

Claim 68 (original) The vector system of claim 67, wherein the first vector comprises a nucleic acid encoding a BAAV Rep protein and the second vector comprises a pair of BAAV inverted terminal repeats.

Claim 69 (original) The vector system of claim 67, wherein the first vector comprises a nucleic acid encoding a BAAV capsid protein and a nucleic acid encoding a BAAV Rep protein and the second vector comprises a pair of BAAV inverted terminal repeats.

Claims 70-90 (canceled)

Claim 91 (original) The vector system of claim 67, wherein the first vector comprises a nucleic acid encoding an AAV capsid protein and the second vector comprises a pair of BAAV inverted terminal repeats.

Claims 92-101 (canceled)

Claim 102 (amended) The vector system of ~~any of claims 91 to 101~~ claim 91, wherein the first vector further comprises a nucleic acid encoding a BAAV Rep protein.

Claim 103 (amended) The vector system of ~~any of claims 91 to 101~~ claim 91, wherein the second vector further comprises a promoter between the inverted terminal repeats.

Claim 104 (original) The vector system of claim 103, wherein the promoter is functionally linked to an exogenous nucleic acid.

Claim 105 (amended) The vector system of ~~any of claims 66 to 103~~ claim 66, wherein a vector of the vector system is encapsidated in an AAV particle.

Claim 106 (original) The vector system of claim 105, wherein the vector is encapsidated in a dependent parvovirus particle.

Claim 107 (original) The vector system of claim 106, wherein the parvovirus particle which encapsidates the vector is an AAV1 particle, an AAV2 particle, an AAV3 particle, an AAV4 particle, an AAV5 particle, an AAV6 particle, an AAV7 particle, an AAV8 particle, an AAV particle or a BAAV particle.

Claim 108 (original) A vector comprising a pair of AAV inverted terminal repeats, a nucleic acid encoding a BAAV capsid protein and a nucleic acid encoding an AAV Rep protein.

Claim 109 (new) The vector system of claim 70, wherein the second vector comprises a pair of AAV1, AAV2, AAV3, AAV4, AAV5, AAV6, AAV7, AAV8, AAV9, or BAAV inverted terminal repeats.

Claim 110 (new) The vector system of claim 70, wherein the first vector further comprises a nucleic acid encoding an AAV1, AAV2, AAV3, AAV4, AAV5, AAV6, AAV7, AAV8, AAV9, or BAAV Rep protein.

Claim 111 (new) The vector system of claim 91, wherein the first vector comprises a nucleic acid encoding an AAV1, AAV2, AAV3, AAV4, AAV5, AAV6, AAV7, AAV8, AAV9, or BAAV capsid protein.